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R.J. Celotta, Advances in microscopy: scanning tunneling and electron polarization microscopy 31 (1988) 59
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Scanning tunneling microscopy

R.J. Celotta, Advances in microscopy: scanning tunneling and electron polarization microscopy 31 (1988) 59

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R.J. Celotta, Advances in microscopy: scanning tunneling and electron polarization microscopy 31 (1988) 59

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J.A. Gardella, Jr., Recent advances in ion and electron spectroscopy of polymer surfaces 31 (1988) 72
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Silica

Y. Hadj Romdhane, B. Bellamy, V. de Gouveia, A. Masson and M. Che, Structure sensitivity: hydrogenolysis of *n*-butane and hydrogenation of ethylene on nickel clusters condensed onto amorphous silica 31 (1988) 383

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R. Vidal and J. Ferrón, Application of Auger electron spectroscopy and principal component analysis to the study of the Pd/c-Si and Pd/a-Si interfaces 31 (1988) 263

Silicon

R. Vidal and J. Ferrón, Application of Auger electron spectroscopy and principal component analysis to the study of the Pd/c-Si and Pd/a-Si interfaces 31 (1988) 263

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R.J. Celotta, Advances in microscopy: scanning tunneling and electron polarization microscopy 31 (1988) 59

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C.W. Anderson, W.E. Swartz, Jr. and J.A. Stanko, XPS study of low temperature diffusion in Au/Ni couples in the presence of arsenic 31 (1988) 277
L. González Tejuca, A.T. Bell, J.L.G. Fierro and M.A. Peña, Surface behaviour of reduced $LaCoO_3$ as studied by TPD of CO, CO_2 and H_2 probes and by XPS 31 (1988) 301
P.M. Loggenberg, R.G. Copperthwaite, R.C. Everson and J.P.F. Sellschop, Surface characterisation of carbon monoxide hydrogenation catalysts under reducing conditions, using X-ray photoelectron spectroscopy and Auger electron spectroscopy 31 (1988) 327
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D.L. Cocke and M.S. Owens, XPS evidence for facile formation of surface zirconium carbides from zirconium oxide overlayer decomposition and surface carbon 31 (1988) 471

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Y. Shimizu and S. Nagai, Structure and decomposition of the carbonaceous solid produced on the surface of molecular sieve 5A by irradiation of methane 31 (1988) 403

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